



EPA Region 5 Records Ctr.



374710

## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010  
**Time:** 9:29 a.m.  
**Direction:** W  
**Photo by:** Charlie King  
**Exposure #:** 001  
**Comments:** The east side of the Nutronics building facing Peoria Road.

The sign above the door on the side of the building is shown close-up in photo # 002.



**Date:** March 17, 2010  
**Time:** 9:30 a.m.  
**Direction:** W  
**Photo by:** Charlie King  
**Exposure #:** 002  
**Comments:** A sign for the Nutronics business on the east side of the building.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010  
**Time:** 9:33 a.m.  
**Direction:** N  
**Photo by:** Charlie King  
**Exposure #:** 003  
**Comments:** The south side of the Nutronics building facing Ridgely Ave.

The hazardous materials warning placard on the building is shown enlarged in photo # 004.



**Date:** March 17, 2010  
**Time:** 9:33 a.m.  
**Direction:** N  
**Photo by:** Charlie King  
**Exposure #:** 004  
**Comments:** The hazardous materials warning placard on the south side of the building.

**File Names:** 1671200054~03172010-[Exp. #].jpg



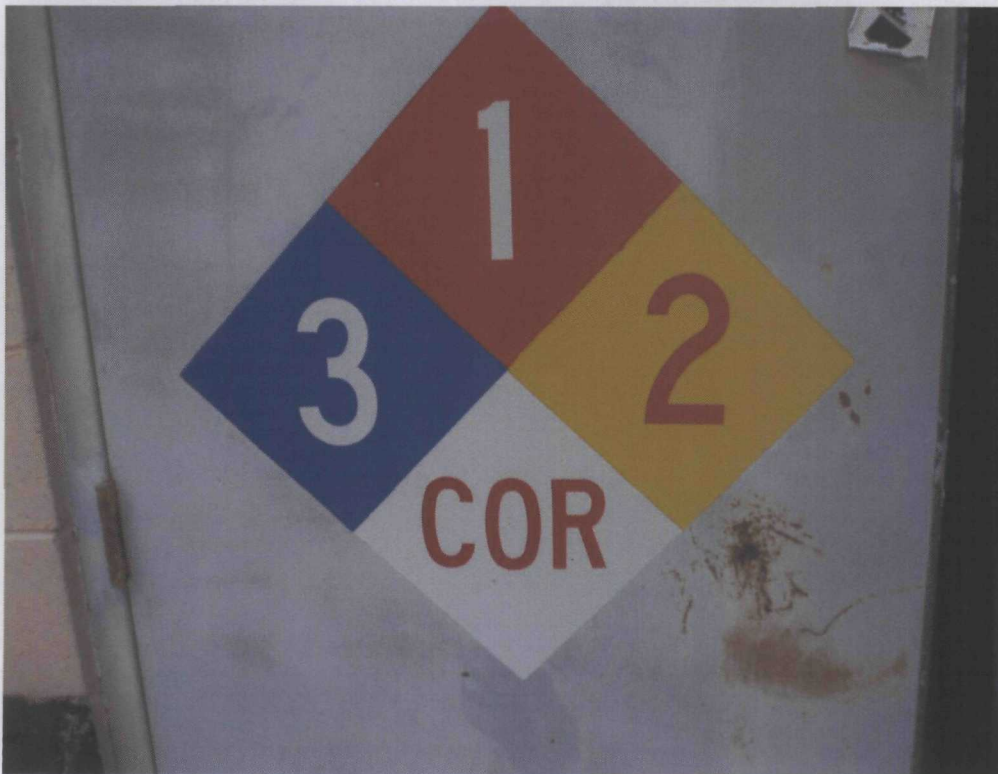


## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010  
**Time:** 9:35 a.m.  
**Direction:** E  
**Photo by:** Charlie King  
**Exposure #:** 005  
**Comments:** The back, or west side of the Nutronics building facing N. 9th Street, and several residences.

The Chemical Storage Room is located behind the garage door, and the Plating Room is located behind the double doors to the south of the garage door.



**Date:** March 17, 2010  
**Time:** 9:38 a.m.  
**Direction:** E  
**Photo by:** Charlie King  
**Exposure #:** 006  
**Comments:** Another hazardous materials warning placard similar to the one shown in photo # 002.

This placard was located on a door on the west side of the building.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS

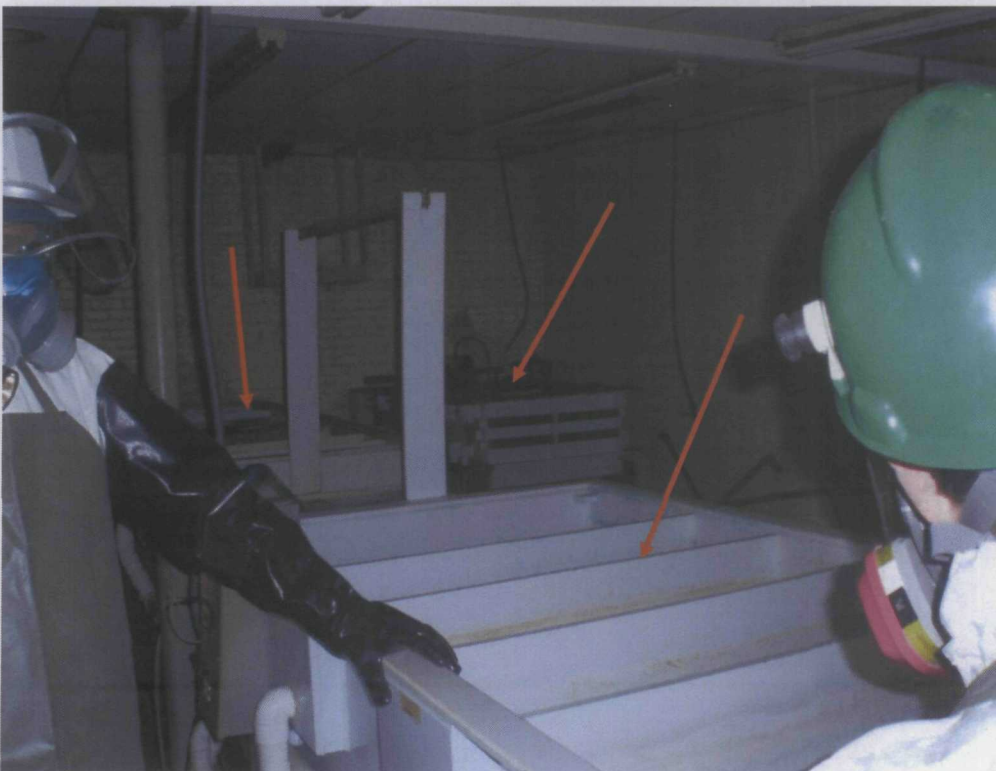


**Date:** March 17, 2010  
**Time:** 10:29 a.m.  
**Direction:** SW  
**Photo by:** Charlie King  
**Exposure #:** 007  
**Comments:** An overview of the Plating Room, as seen from the east interior door.

Vat # 1 is at the end of the right superimposed red arrow.

Vat # 2 is at the end of the left superimposed red arrow.

Samples X201, X202, X203, X204, X205, X206, X207, X208, & X209 were collected in the Plating Room.



**Date:** March 17, 2010  
**Time:** 10:30 a.m.  
**Direction:** NE  
**Photo by:** Charlie King  
**Exposure #:** 008  
**Comments:** An overview of the Plating room, as seen from near the west exterior doors.

Vat # 1 is at the end of the right red arrow.

Vat # 2 is at the end of the left red arrow.

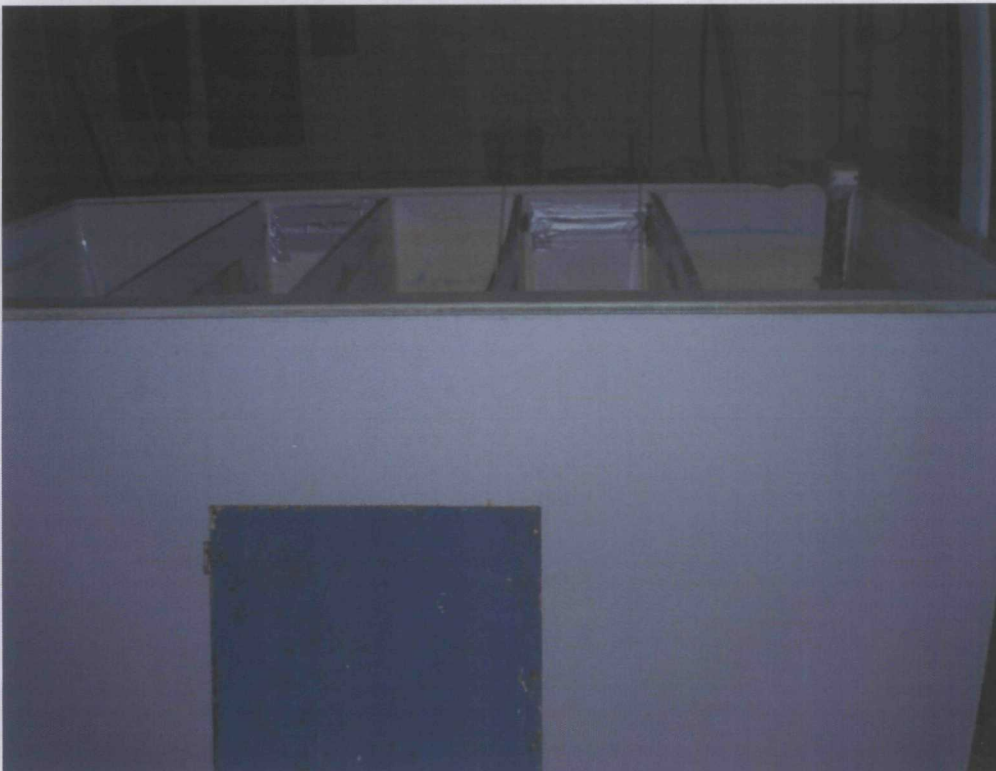
Vat # 3 is at the end of the middle red arrow.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010  
**Time:** 11:14 a.m.  
**Direction:** N  
**Photo by:** Charlie King  
**Exposure #:** 009  
**Comments:** Vat # 1 in the Plating Room had five compartments, each containing various levels of blue/green liquid waste.



**Date:** March 17, 2010  
**Time:** 11:09 p.m.  
**Direction:** N  
**Photo by:** Charlie King  
**Exposure #:** 010  
**Comments:** Vat # 2 in the Plating Room had six compartments that were either empty or contained various levels of blue/green liquid waste.

After sampling was completed, the green plastic floor grate leaning on the side of the vat was placed over the top of Vat # 2.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010  
**Time:** 11:10 a.m.  
**Direction:** E  
**Photo by:** Charlie King  
**Exposure #:** 011  
**Comments:** Vat # 3 that contained a clear brown liquid waste. Note that some parts of ceiling tiles on top of the vat toward the east wall, and on the floor at the lower right of the photo.



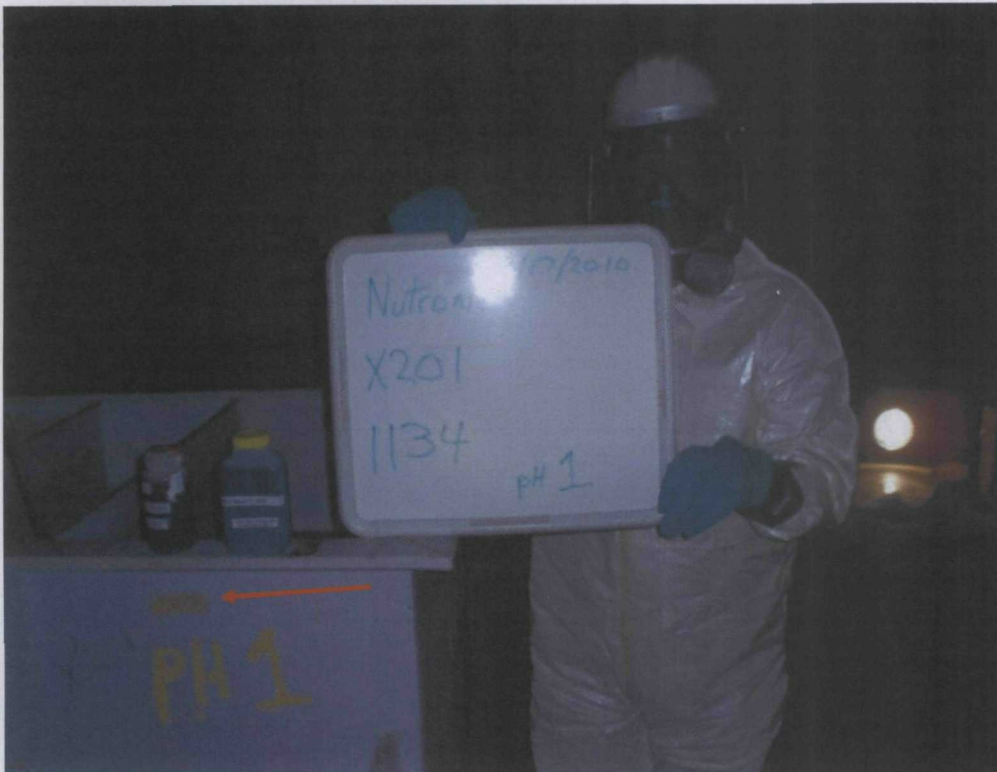
**Date:** March 17, 2010  
**Time:** 11:10 a.m.  
**Direction:** E  
**Photo by:** Charlie King  
**Exposure #:** 012  
**Comments:** The ceiling above Vat # 3. Some of the ceiling tiles had fallen onto the floor and into Vat # 3.

File Names: 1671200054~03172010-[Exp. #].jpg



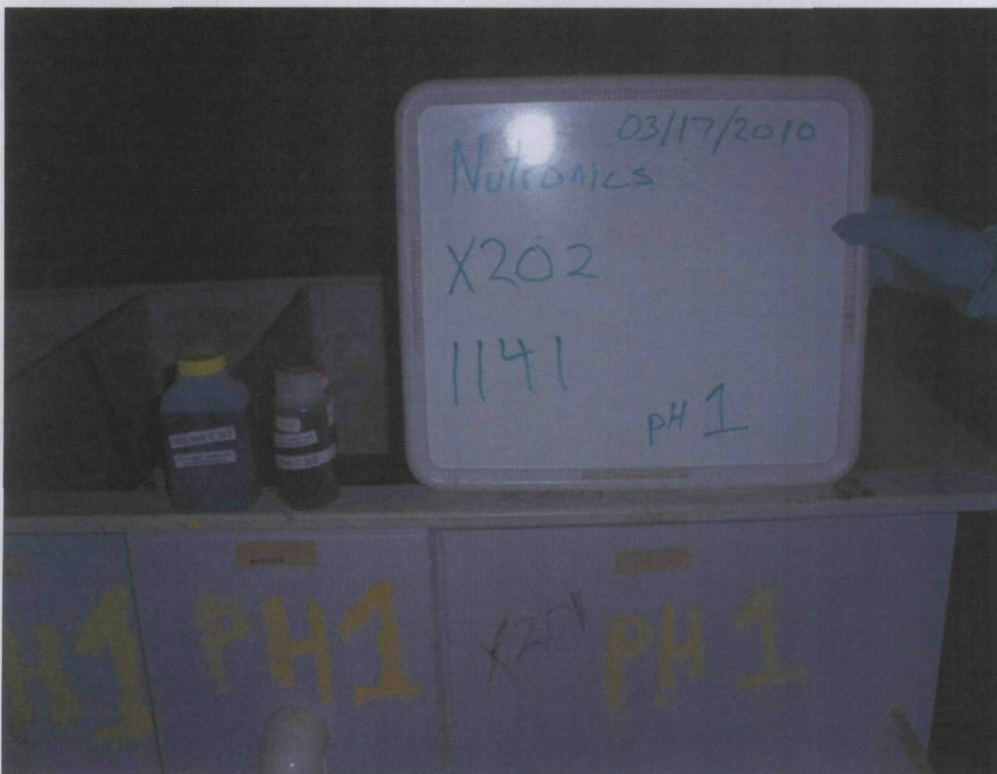


## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010  
**Time:** 11:36 a.m.  
**Direction:** S  
**Photo by:** Charlie King  
**Exposure #:** 013  
**Comments:** Sample # X201 that was taken from the first of five compartments (west to east, or right to left) of Vat # 1. It was taken at 11:34 a.m. and had a field pH (taken with pH paper) of 1.

The tape label at the end of the red arrow read "Sulfuric Acid Dip."



**Date:** March 17, 2010  
**Time:** 11:43 a.m.  
**Direction:** S  
**Photo by:** Charlie King  
**Exposure #:** 014  
**Comments:** Sample # X202 that was taken from the second of five compartments of Vat # 1. It was taken at 11:41 a.m. and had a field pH of 1.

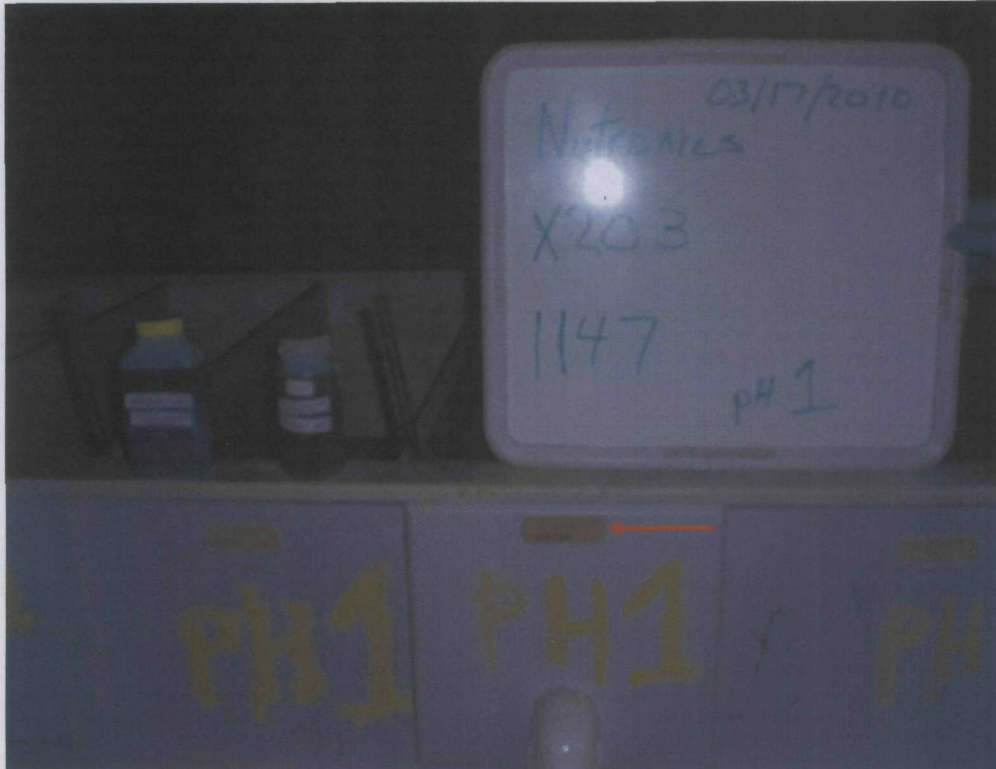
The field pH of the liquid in each compartment was written with a yellow paint stick on the side of each compartment.

File Names: 1671200054~03172010-[Exp. #].jpg



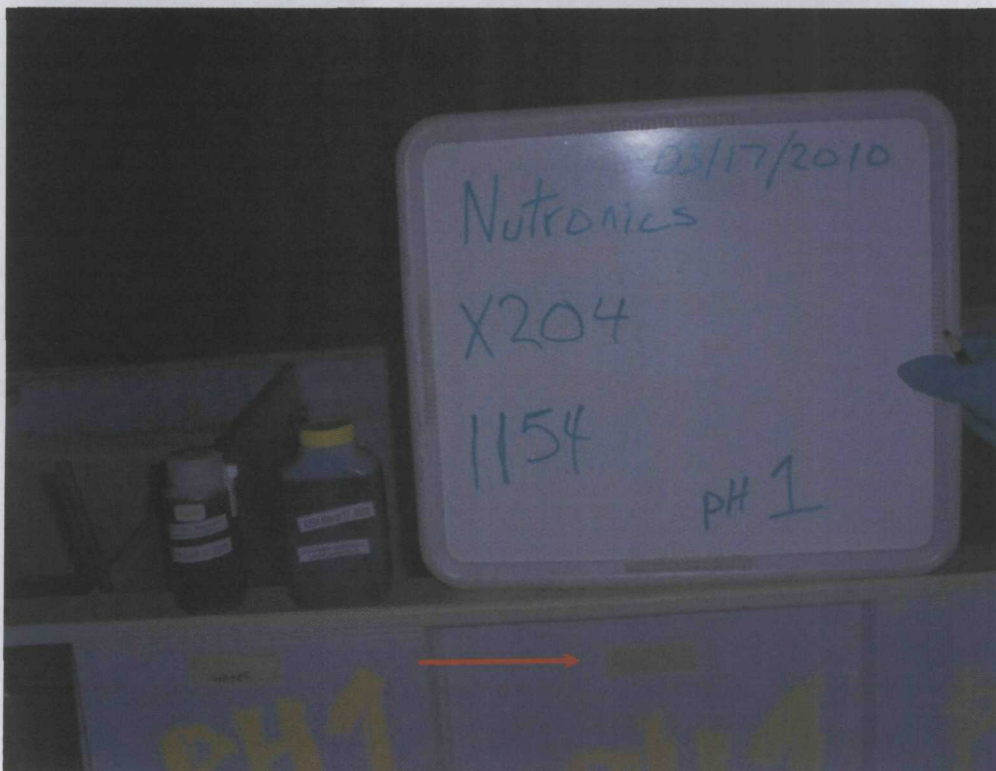


## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010  
**Time:** 11:50 a.m.  
**Direction:** S  
**Photo by:** Charlie King  
**Exposure #:** 015  
**Comments:** Sample # X203 that was taken from the third of five compartments of Vat # 1. It was taken at 11:47 a.m. and had a field pH of 1.

The tape label at the end of the red arrow read "H2O Water."



**Date:** March 17, 2010  
**Time:** 11:57 a.m.  
**Direction:** S  
**Photo by:** Charlie King  
**Exposure #:** 016  
**Comments:** Sample # X204 that was taken from the fourth of five compartments of Vat # 1. It was taken at 11:54 a.m. and had a field pH of 1.

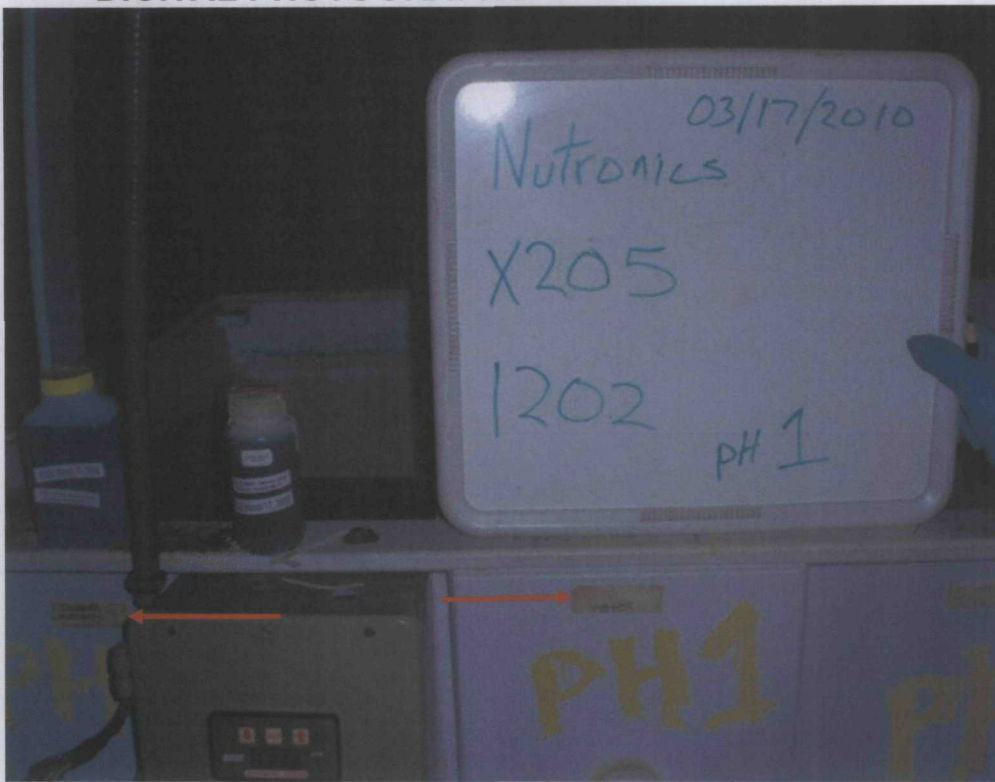
The tape label at the end of the red arrow read "Microetch ME515 Sulfuric Acid."

File Names: 1671200054~03172010-[Exp. #].jpg





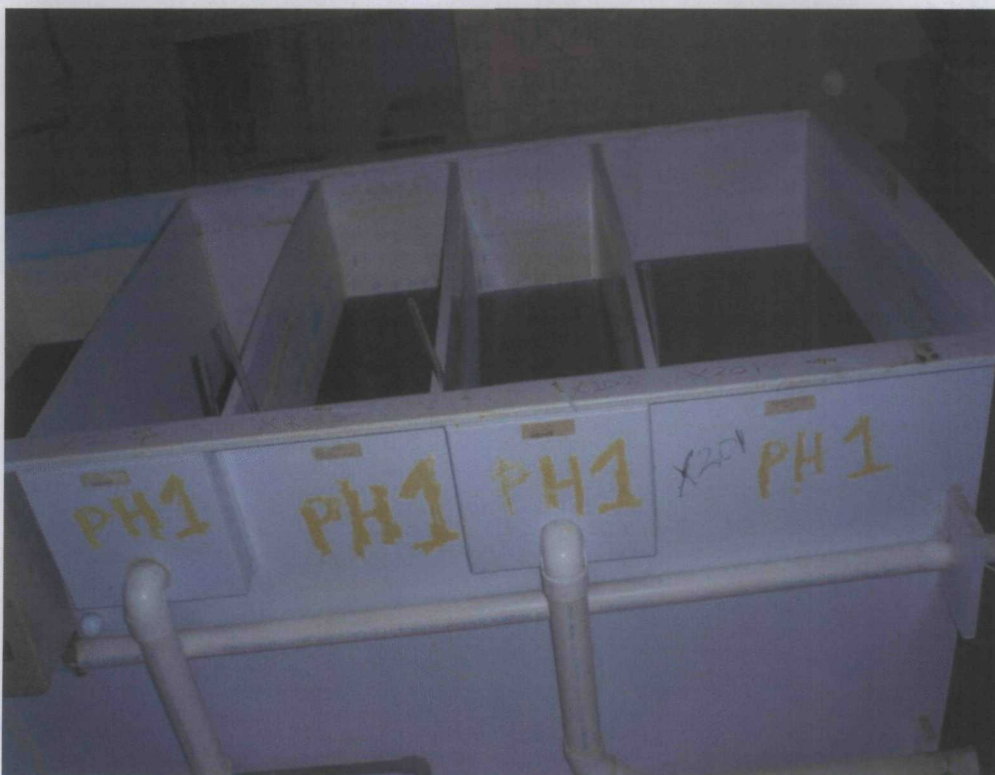
## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 12:04 p.m.  
Direction: S  
Photo by: Charlie King  
Exposure #: 017  
Comments: Sample # X205 that was taken from the fifth of five compartments of Vat # 1. It was taken at 12:02 p.m., and had a field pH of 1.

The tape label at the end of the left red arrow read "Cleanser Posiclean."

The tape label at the end of the right red arrow read "H2O Water."



Date: March 17, 2010  
Time: 12:06 p.m.  
Direction: W  
Photo by: Charlie King  
Exposure #: 018  
Comments: An overview of Vat # 1 showing blue/green liquid waste.

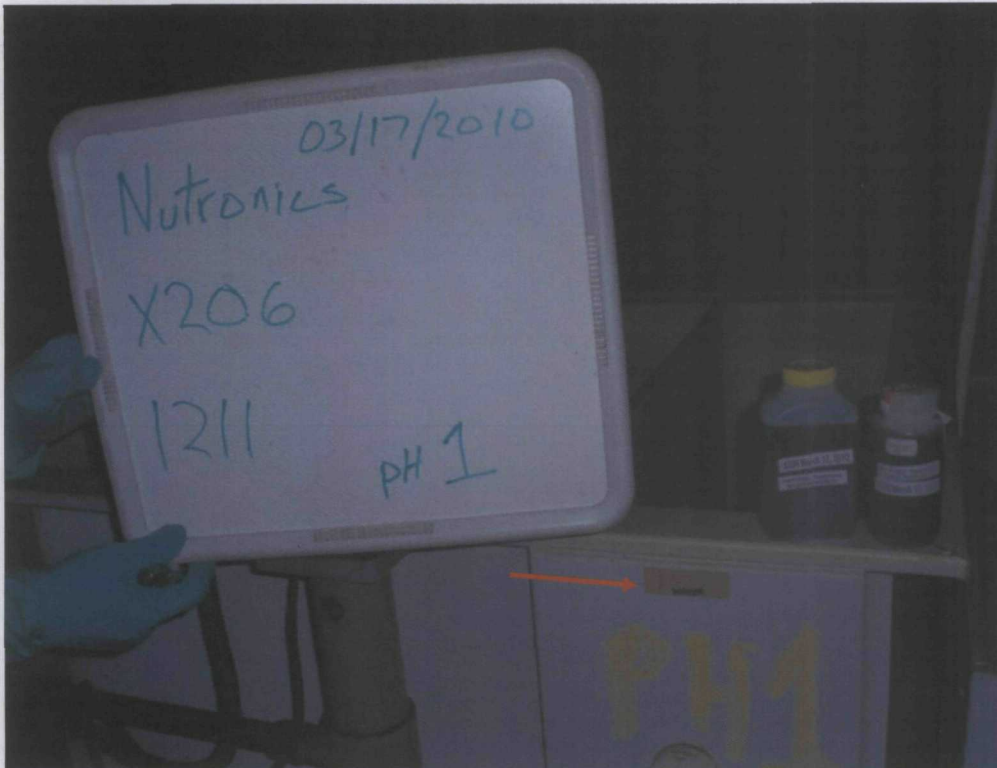
Note the used pH paper test strips on the edge of the vat.

File Names: 1671200054~03172010-[Exp. #].jpg



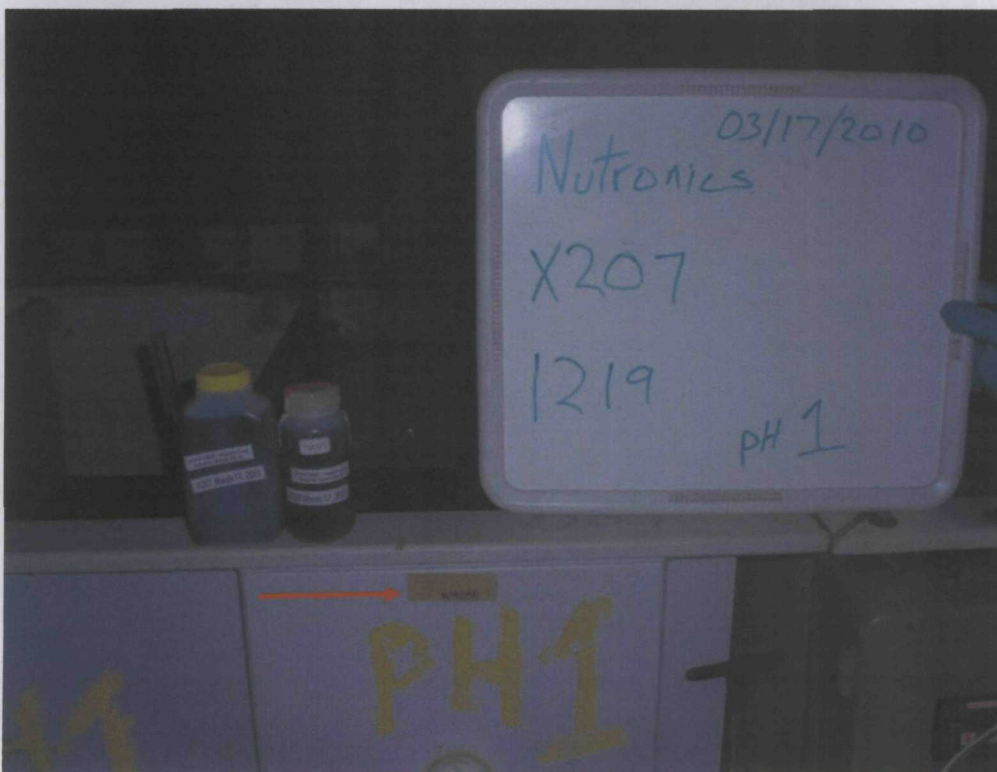


## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010  
**Time:** 12:13 p.m.  
**Direction:** S  
**Photo by:** Charlie King  
**Exposure #:** 019  
**Comments:** Sample # X206 that was taken from the first of six compartments (west to east, or right to left) of Vat # 2. It was taken at 12:11 p.m. and had a field pH of 1.

The tape label at the end of the red arrow read "H2O Water."



**Date:** March 17, 2010  
**Time:** 12:23 p.m.  
**Direction:** S  
**Photo by:** Charlie King  
**Exposure #:** 020  
**Comments:** Sample X207 that was taken from the fourth compartment of Vat # 2. It was taken at 12:19 p.m. and had a field pH of 1. Compartments # 2 and 3 of Vat # 2 were empty.

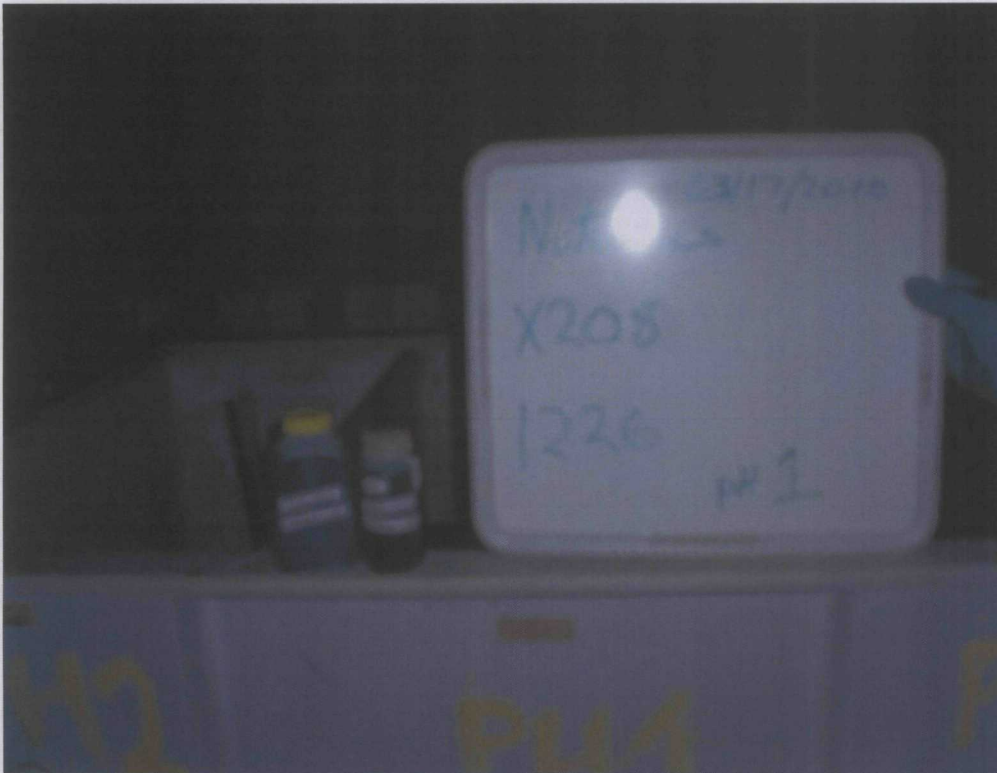
The tape label at the end of the red arrow read "H2O Water."

File Names: 1671200054~03172010-[Exp. #].jpg



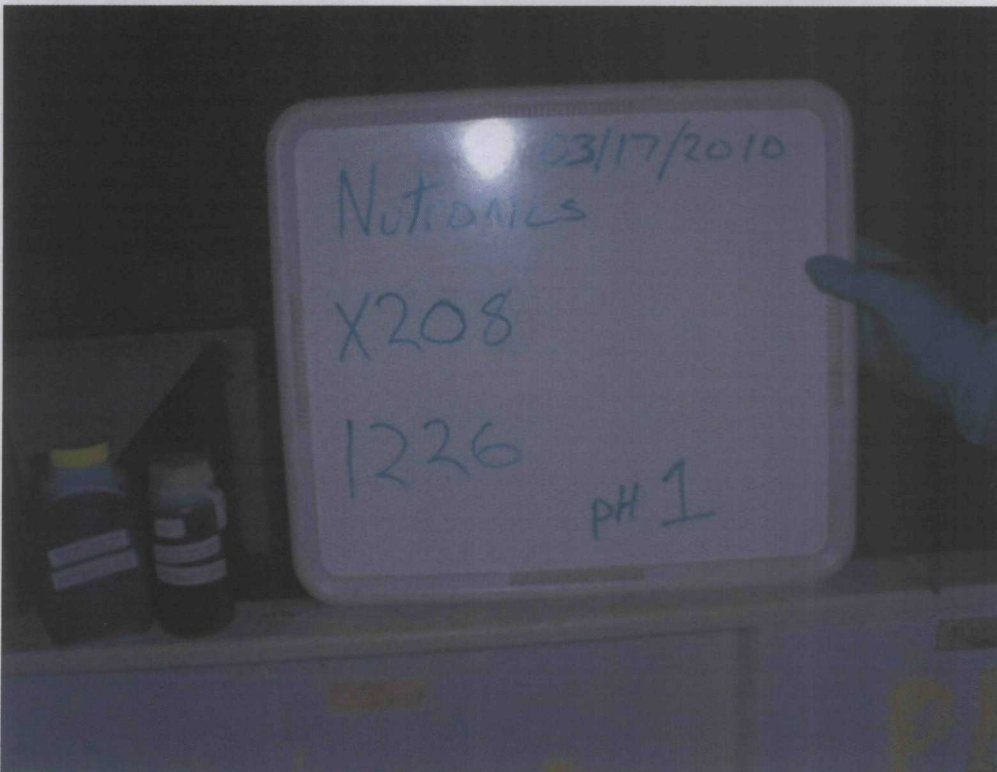


## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 12:28 p.m.  
Direction: S  
Photo by: Charlie King  
Exposure #: 021  
Comments: Sample # X208 that was taken from the fifth compartment of Vat # 2. It was taken at 12:26 p.m. and had a field pH of 1.

This photograph was a bit blurry, so it was re-taken and is shown again in photograph # 022.



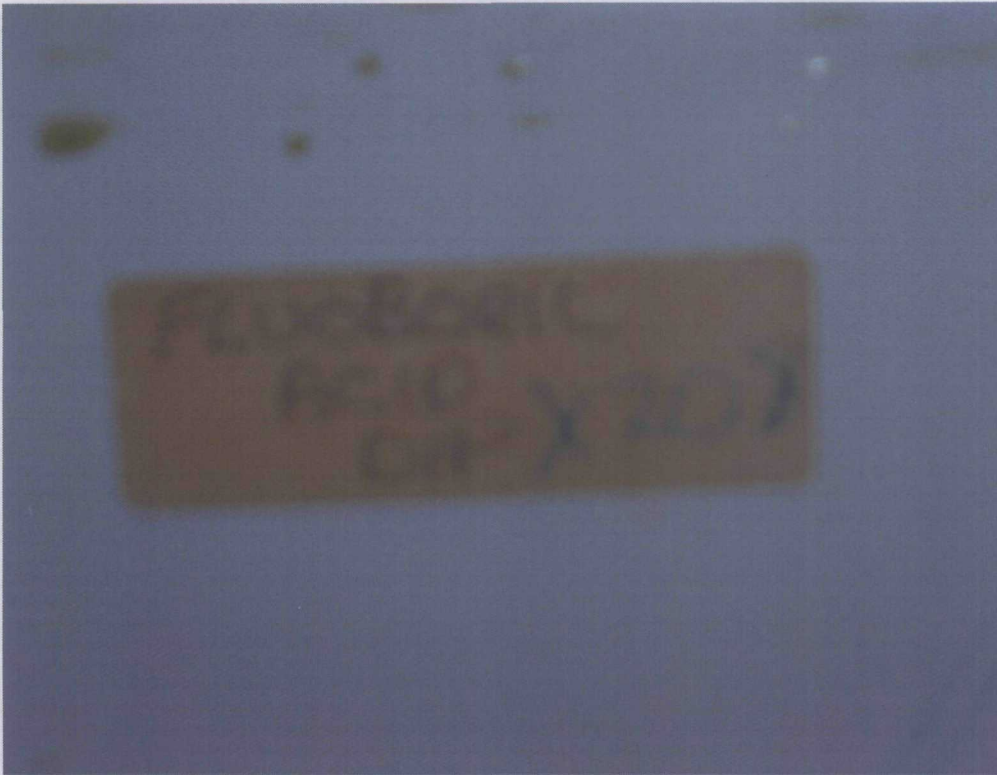
Date: March 17, 2010  
Time: 12:28 p.m.  
Direction: S  
Photo by: Charlie King  
Exposure #: 022  
Comments: The subject of photo # 021 was re-taken and shown more clearly in this photo.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010  
**Time:** 12:28 p.m.  
**Direction:** S  
**Photo by:** Charlie King  
**Exposure #:** 023  
**Comments:** This tape label was on the fifth compartment of Vat # 2. Although blurry, it reads, "Fluoboric Acid Dip."

Sample # "X208" was written on this label.



**Date:** March 17, 2010  
**Time:** 12:29 p.m.  
**Direction:** SE  
**Photo by:** Charlie King  
**Exposure #:** 024  
**Comments:** An overview of the first three compartments (1-3), west to east, or right to left, in Vat # 2.

The second and third compartments were empty.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 12:31 p.m.  
Direction: S  
Photo by: Charlie King  
Exposure #: 025  
Comments: An overview of the last three compartments (4, 5 and 6) of Vat # 2. The sixth compartment had only about an inch of liquid waste and was not sampled.



Date: March 17, 2010  
Time: 12:31 p.m.  
Direction: SW  
Photo by: Charlie King  
Exposure #: 026  
Comments: The east end of Vat # 2 and the north side of Vat # 3.

File Names: 1671200054~03172010-[Exp. #].jpg

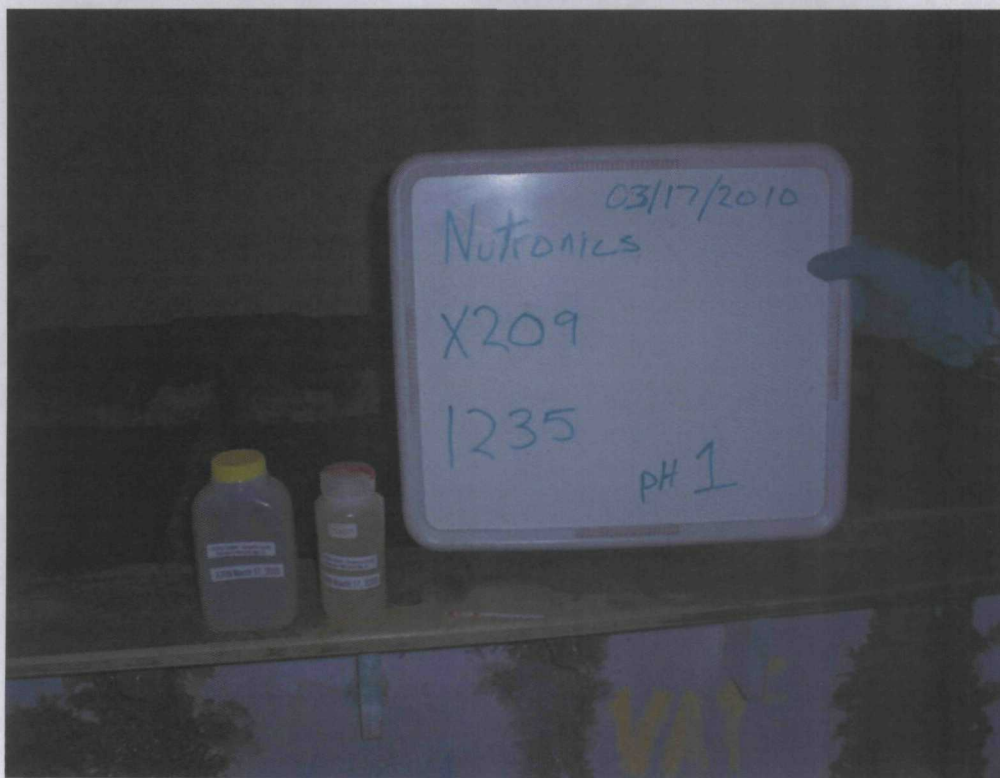




## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 12:34 p.m.  
Direction: E  
Photo by: Charlie King  
Exposure #: 027  
Comments: The west edge of Vat # 1.



Date: March 17, 2010  
Time: 12:38 p.m.  
Direction: S  
Photo by: Charlie King  
Exposure #: 028  
Comments: Sample # X209 of a clear brown liquid that was taken from Vat # 3 at 12:35 p.m. It had a field pH of 1.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010

**Time:** 12:39 p.m.

**Direction:**

**Photo by:** Charlie King

**Exposure #:** 029

**Comments:** Vat # 3 had only one compartment with a clear brown liquid. It had blue/green and white to brown crusty residue on the internal sidewalls and on the four bars crossing the top.

Some of the fluid in the vat became turbid after sampling. It also had some parts of ceiling tiles in it.



**Date:** March 17, 2010

**Time:** 1:12 p.m.

**Direction:** S

**Photo by:** Charlie King

**Exposure #:** 030

**Comments:** The copper etching machine, and parts of the floor, covered in blue/green crusty residue.

Sample X210 was taken from the plastic box at the end of the bottom red arrow.

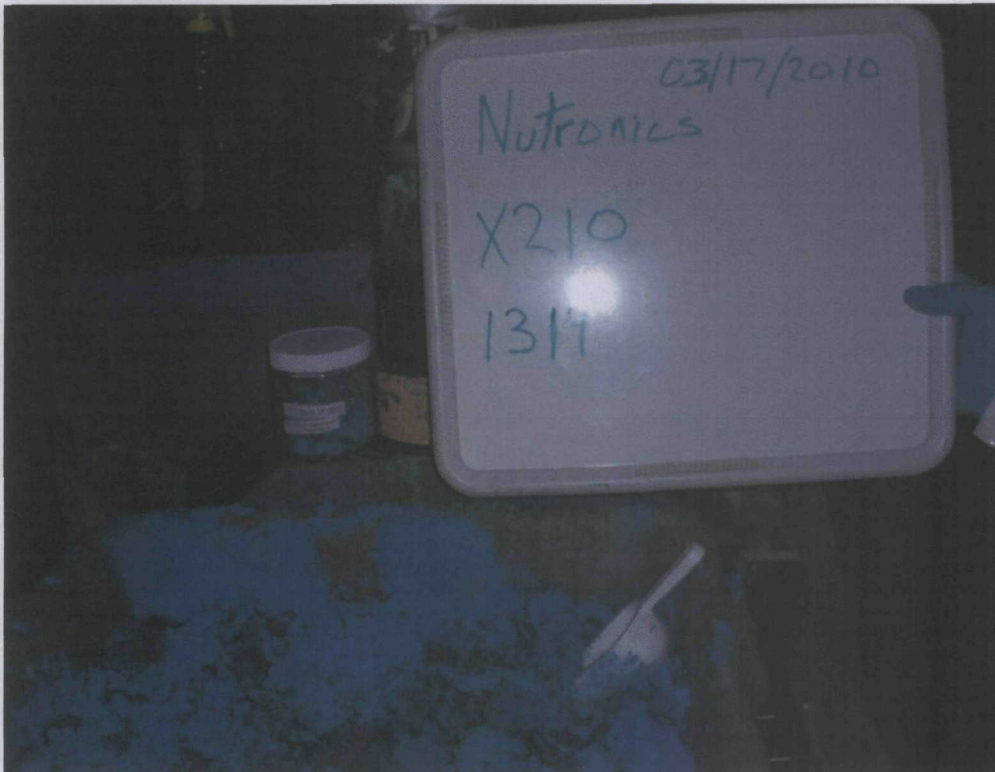
Top red arrow points to a wire shelf that the plastic box was placed on to get it into a better position to sample.

**File Names:** 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 1:16 p.m.  
Direction: S  
Photo by: Charlie King  
Exposure #: 031  
Comments: Sample # X210 of the blue/green crusty residue in the plastic box. The sample was taken at 1:14 p.m.



Date: March 17, 2010  
Time: 1:17 p.m.  
Direction: SW  
Photo by: Charlie King  
Exposure #: 032  
Comments: Water damaged ceiling tiles above a pipe with a blue/green crusty residue, located near the copper etching machine shown in Photo # 030.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010  
**Time:** 1:19 P.M.  
**Direction:** SW  
**Photo by:** Charlie King  
**Exposure #:** 033  
**Comments:** An overview of the Chemical Storage Room, separated from the Plating Room by the south wall at left. The photo was taken from the east interior doorway to this room.

Samples X211, X212, X213, X214, and X215 were collected in the Chemical Storage Room.



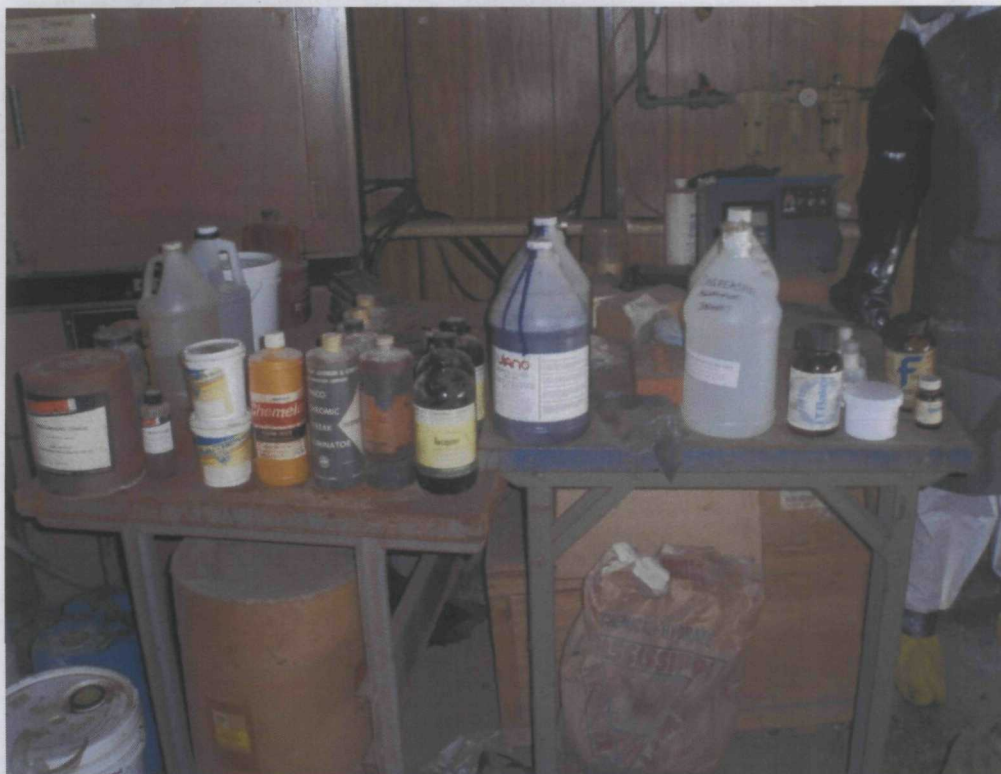
**Date:** March 17, 2010  
**Time:** 1:20 p.m.  
**Direction:** E  
**Photo by:** Charlie King  
**Exposure #:** 034  
**Comments:** An overview of the Chemical Storage Room, as shown from near the garage door.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



**Date:** March 17, 2010  
**Time:** 1:20 p.m.  
**Direction:** S  
**Photo by:** Charlie King  
**Exposure #:** 035  
**Comments:** Wastes in small containers on a table in the Chemical Storage Room. These small containers were not sampled or labeled.



**Date:** March 17, 2010  
**Time:** 1:20 p.m.  
**Direction:** E  
**Photo by:** Charlie King  
**Exposure #:** 036  
**Comments:** Numerous five-gallon and larger containers of wastes in the Chemical Storage Room.

At the end of the red arrow is Vat # 4, which contains blue/green, white, and brown crusty residues that were sampled (X211).

File Names: 1671200054~03172010-[Exp. #].jpg



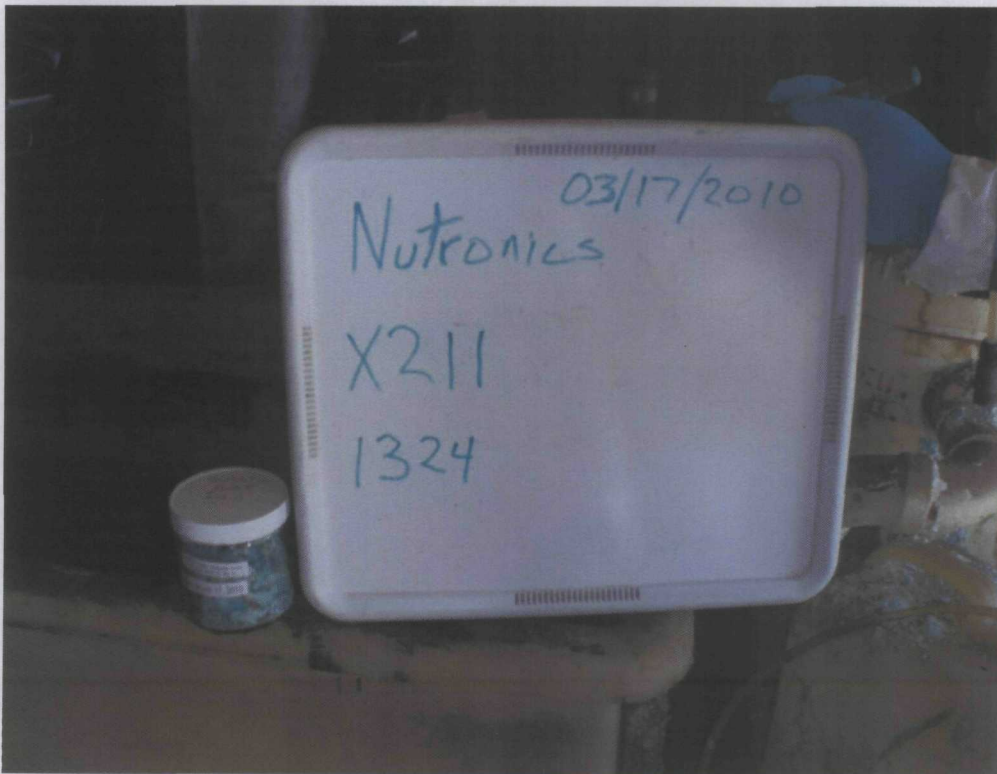


## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 1:26 p.m.  
Direction: S  
Photo by: Charlie King  
Exposure #: 037  
Comments: The blue/green, and white crusty residue inside Vat # 4 shown in Photo # 036. A brown crusty residue was underneath the blue/ green residue at the bottom of the vat.

Sample X211 was taken of these residues.



Date: March 17, 2010  
Time: 1:26 p.m.  
Direction: SE  
Photo by: Charlie King  
Exposure #: 038  
Comments: Sample # X211 is of the crusty residues in Vat # 4 shown in photograph # 037. The sample was taken at 1:24 p.m.

File Names: 1671200054~03172010-[Exp. #].jpg



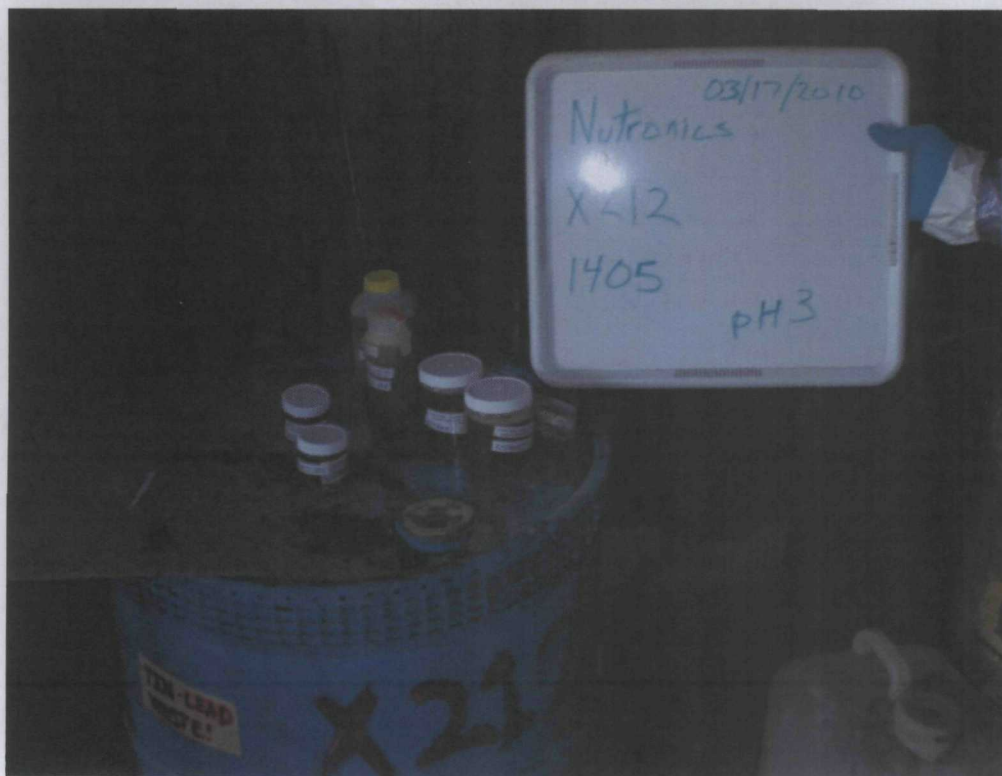


## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 2:07 p.m.  
Direction: N  
Photo by: Charlie King  
Exposure #: 039  
Comments: Sample # X212 is on top of the 55-gallon blue plastic drum labeled "Tin-Lead Waste!" This brown liquid sample was taken at 2:05 p.m. and had a field pH of 3.

This photo was blurred, so it was taken again, shown below as photo # 040.



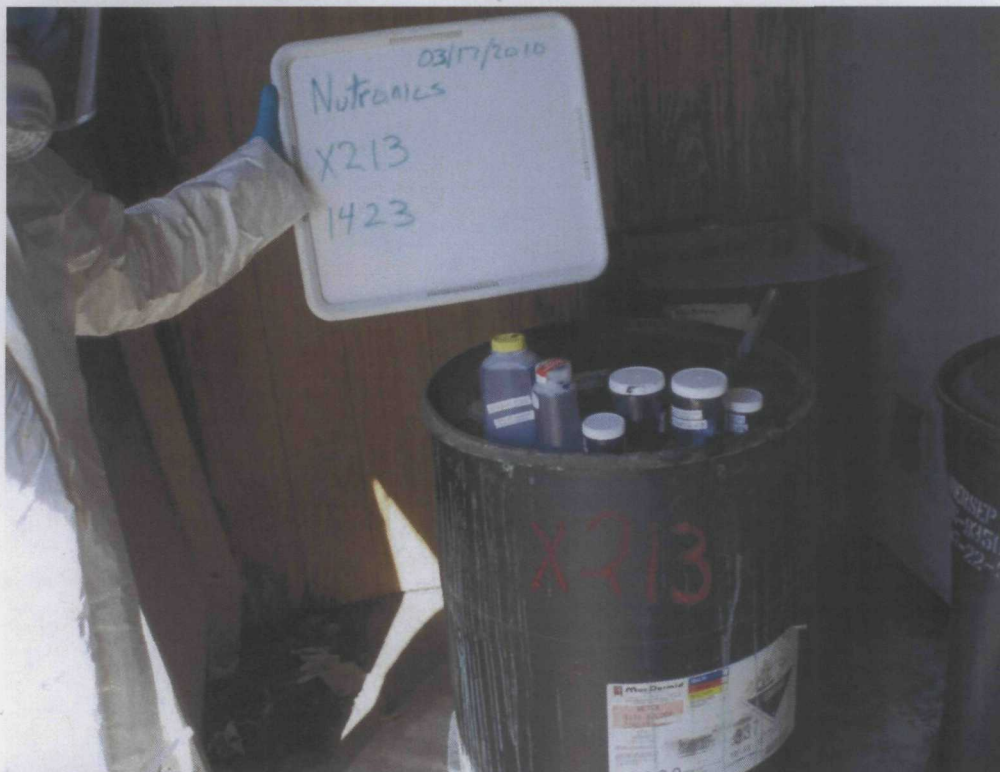
Date: March 17, 2010  
Time: 2:07 p.m.  
Direction: N  
Photo by: Charlie King  
Exposure #: 040  
Comments: Another photo of sample # X212.

File Names: 1671200054~03172010-[Exp. #].jpg



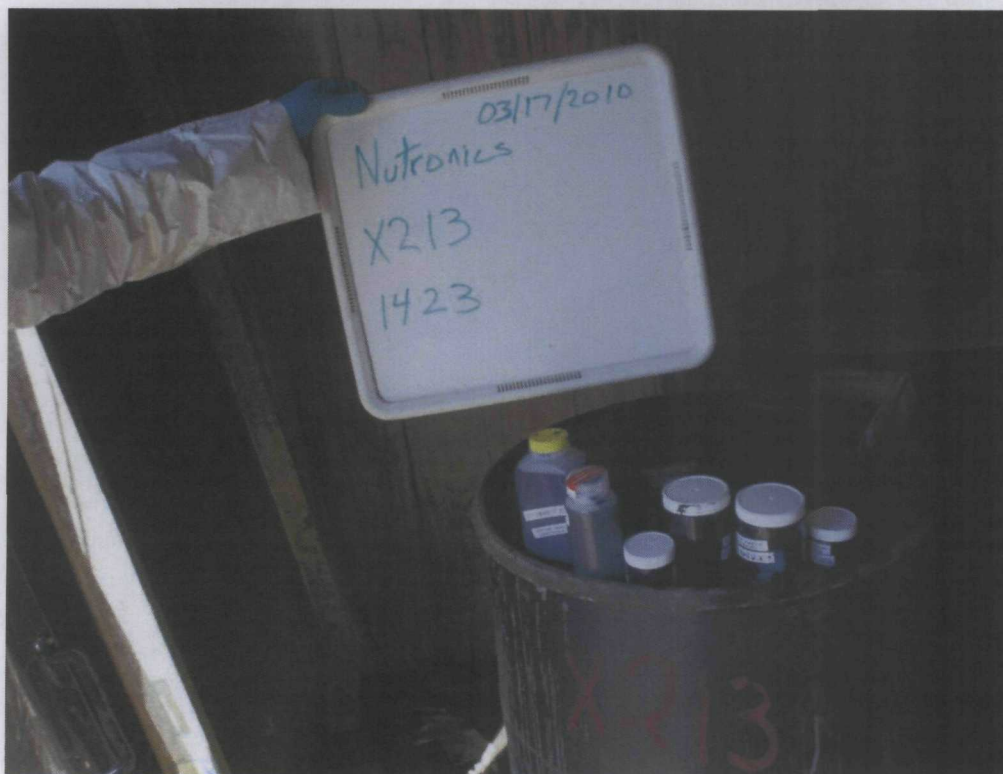


## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 2:24 p.m.  
Direction:  
Photo by: Charlie King  
Exposure #: 041  
Comments: Sample # X213 on top of the 55-gallon black plastic drum labeled "Corrosive", with the sample number and sample bottles on the drum.

This sample had a very vivid dark blue color, and was taken at 2:23 p.m. The blue color masked the field pH results on the pH test strip.



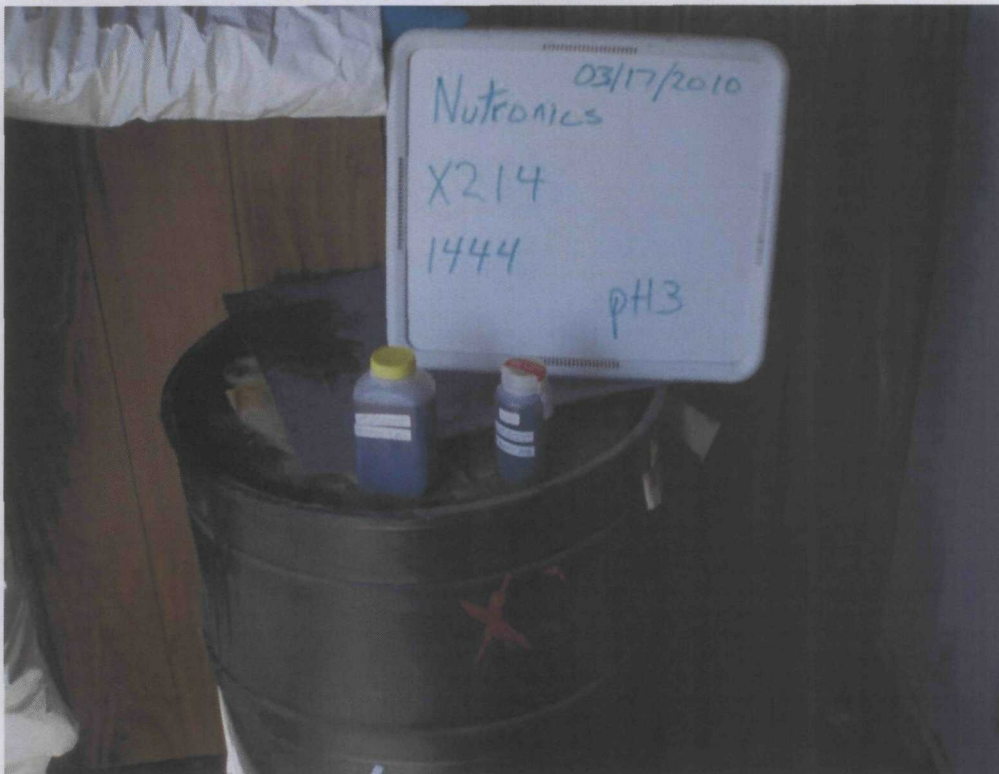
Date: March 17, 2010  
Time: 2:24 p.m.  
Direction: N  
Photo by: Charlie King  
Exposure #: 042  
Comments: Another photo of Sample # X213. The sample was taken at 2:23 p.m.

File Names: 1671200054~03172010-[Exp. #].jpg

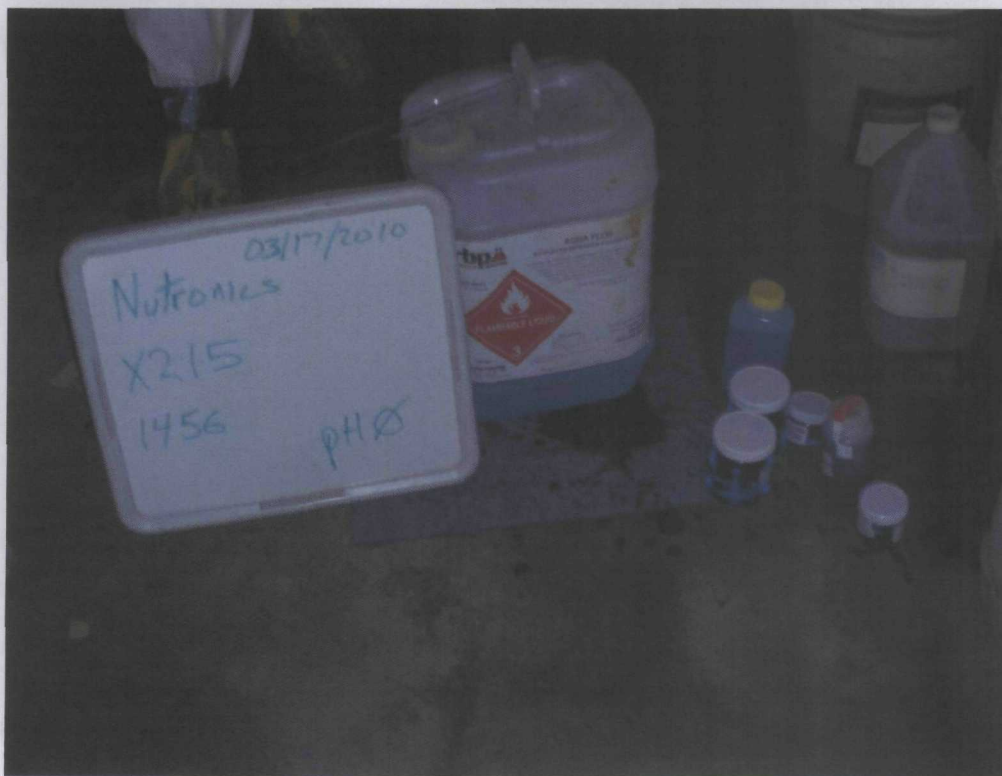




## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 2:59 p.m.  
Direction: E  
Photo by: Charlie King  
Exposure #: 043  
Comments: Sample # X214 on top of this black plastic 55-gallon drum. The light brown liquid sample was taken at 2:44 p.m. and had a field pH of 3.



Date: March 17, 2010  
Time: 3:59 p.m.  
Direction:  
Photo by: Charlie King  
Exposure #: 044  
Comments: Sample # X215 was of blue liquid taken from this five gallon plastic container labeled "Flammable", and "Aqua Flo® Activated Infrared Fusing Fluid". The sample was taken at 2:56 p.m. and had a field pH of 0.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 3:39 p.m.  
Direction: NE  
Photo by: Charlie King  
Exposure #: 045  
Comments: Bags  
marked # 36 and 37 on  
the floor east of the  
copper etching machine.

Clear bag # 36 contained  
a green salt, and bag #  
37 was labeled "NICKEL  
SULFATE".



Date: March 17, 2010  
Time: 3:41 p.m.  
Direction: E  
Photo by: Charlie King  
Exposure #: 046  
Comments: This plastic  
floor grate was placed on  
top of Vat # 1 before  
leaving the building. A  
similar floor grate was  
also placed on top of Vat  
# 2.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 10:13 a.m.  
Direction: E  
Photo by: Paul Eisenbrandt  
Exposure #: 047  
Comments: Sampling team members, left to right, David Jansen, Mark Weber, and Blaine Kinsley, in Level C protection.

This open door was unlocked by the owner, Bud Darran, to allow entry into the building.



Date: March 17, 2010  
Time: 10:46 a.m.  
Direction: SE  
Photo by: Paul Eisenbrandt  
Exposure #: 048  
Comments: Interior of Chemical Storage Room as seen from outside the garage door.

Sample X211 was collected from Vat # 4 at the end of the left red arrow.

The white plastic tanks at the ends of the 3 red arrows were part of Nutronics' wastewater pre-treatment system.

File Names: 1671200054~03172010-[Exp. #].jpg



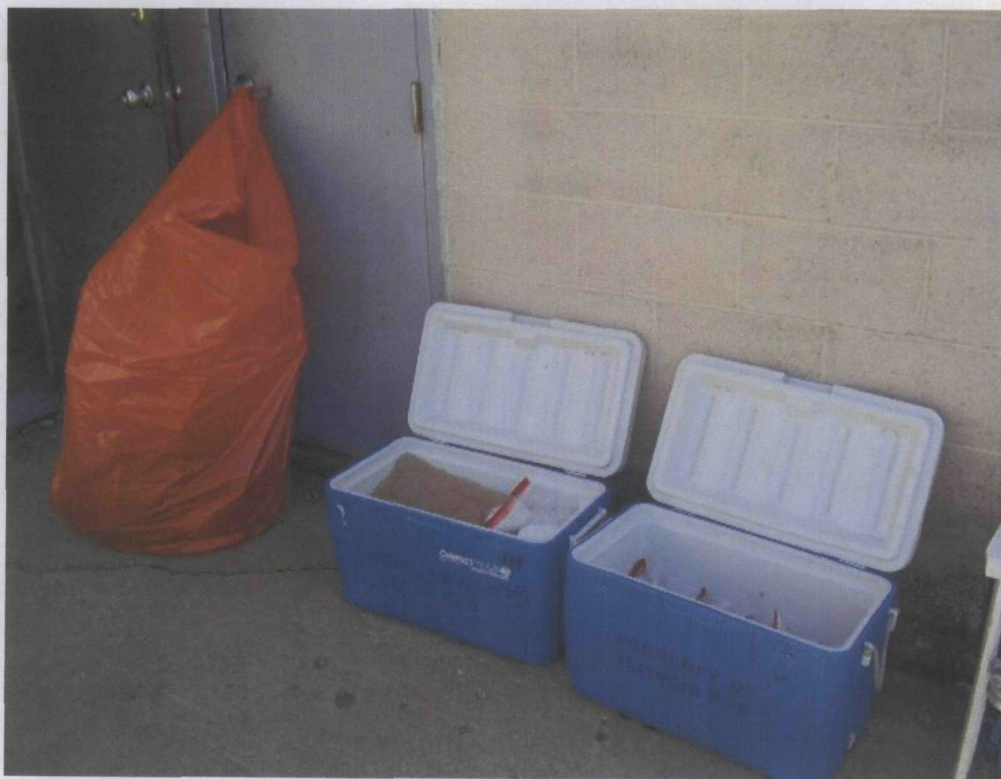


## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 10:46 a.m.  
Direction: NE  
Photo by: Paul  
Eisenbrandt  
Exposure #: 049  
Comments: Interior of  
Chemical Storage Room  
as seen from outside the  
garage door.

Red arrows point to  
plastic 55 gallon drums  
that were sampled.  
From right to left,  
samples X212, X213,  
and X214 were collected  
from these drums.



Date: March 17, 2010  
Time: 3:26 p.m.  
Direction: SE  
Photo by: Paul  
Eisenbrandt  
Exposure #: 050  
Comments: Sample  
coolers, and orange  
plastic bag containing  
used gloves, Saranex  
suits, tape, etc.

File Names: 1671200054~03172010-[Exp. #].jpg





## DIGITAL PHOTOGRAPHS



Date: March 17, 2010  
Time: 3:26 p.m.  
Direction: S  
Photo by: Paul  
Eisenbrandt  
Exposure #: 051  
Comments: Waste  
samples packed in  
sealed bags inside  
coolers.



Date: March 17, 2010  
Time: 3:26 p.m.  
Direction: S  
Photo by: Paul  
Eisenbrandt  
Exposure #: 052  
Comments: Waste  
samples packed in  
sealed bags inside  
coolers.

File Names: 1671200054~03172010-[Exp. #].jpg